



Nebraska On-Farm Research Network

No-Tillage vs. Conventional-Tillage in Soybeans

Study ID: 120155199201

County: Saunders

Year: 1992

Objective: To determine and document the effect on profitability of a no-till system versus a conventional-till system

NO-TILLAGE

Treatment:

Herbicide: 6 oz. Canopy and 1.5 pints
Command

Planting

Cultivation

Costs:

Operations \$36.70

Comparative cost \$36.70

CONVENTIONAL-TILLAGE

Treatment:

Disking

Field cultivation

Field cultivation

Herbicide: 6 oz. Canopy and 1.5 pints
Command

Planting

Cultivation

Costs:

Operations \$52.90

Comparative cost \$52.90

Nebraska Soybean & Feed Grains Profitability Project



Extension is a Division of the Institute of Agriculture and Natural Resources at the University of Nebraska–Lincoln cooperating with the Counties and the United States Department of Agriculture.

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ON-FARM RESEARCH COMPARISON RESULTS

VARIABLE

Early population	
No- till	103000
Conventional-till	100000
Final population	
No-till	98000 *
Conventional-till	92000 *
Population loss	
No-till	4.4%
Conventional-till	7.8%
Plant height	
No-till	35.9"
Conventional-till	36.3"
Pod height	
No-till	5.5"
Conventional-till	5.5"
Moisture	
No-till	10.7% **
Conventional-till	11.4% **
Sample weight	
No-till	55.5 **
Conventional-till	54.6 **
Yield(13%)	
No-till	52.1
Conventional-till	52.1

* - significantly different at 95% confidence level

** - significantly different at 99% confidence level

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